

# Notice of Allowability

Application No.

10/654,852

Examiner

Sam Rizk

Applicant(s)

MACLELLAN ET AL.

Art Unit

2133

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/24/2006.
2. ☒ The allowed claim(s) is/are 1-54.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_



**GUY LAMARRE**  
**PRIMARY EXAMINER**

### **DETAILED ACTION**

- Response to the applicant's amendment dated 5/24/2006
- Claims 55 and 56 have been Cancelled
- Amended claims 1-54 have been submitted for examination
- Amended claims 1-54 have been allowed

### ***Claim Rejections - 35 USC § 112***

1. In view of the applicant amended claims 6,7,12,13,17,23,24,29,30,34,41, 47,48,52 and 54 filed on 5/24/2006; all rejections under 35 USC § 112 are withdrawn.

### ***Response to Arguments***

2. Applicant's arguments, see pages 11-18, filed on 5/24/2006, with respect to amended claims 1,18 and 35 have been fully considered and are persuasive. The rejection of claims 1,18 and 35 under 35 USC § 102(e) have been withdrawn.

### **REASONS FOR ALLOWANCE**

The following is an examiner's statement of reasons for allowance:

3. The prior Art of record and in particular Williams US publication 2004/0133836 teaches:
  - (Presently amended) A method for operating a memory system comprising:
    - receiving a digital word having N bits of data and M bits for error detection;

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- B. generating a first error correction code based on the N bits of data of the digital word;
- C. generating a second error correction code based on the N bits of data of the digital word;
- D. performing a first logic operation on the first error correction code and the second error correction code to generate a data signature representative of a comparison of the first error correction code and the second error correction code;

However, the prior art do not teach, suggest, or otherwise render obvious:

- E. performing a second logic operation on the data signature and the M bits of the digital word to generate a **constant signal representing a comparison of the data signature and the M bits of the digital word**)
- F. comparing the generated constant signal to a predetermined constant signal to determine if an error has occurred in at least one of the N bits of data in the digital word, the M bits of data in the digital word the first error correction code and the second error correction code; and
- G. determining that an error has occurred in the N bits of data in the digital word, the M bits of data in the digital word, the first error correction code or the second error correction code if the generated constant signal is different from the predetermined constant signal.

4. Claims (2-17) depend from claims 1.
5. Claims 18 and 35 have similar language as in claim 1.
6. Claims (19-34) depend from claims 18.
7. Claims (36-54) depend from claims 35.

### ***Conclusion***

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Rizk whose telephone number is (571) 272-8191. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

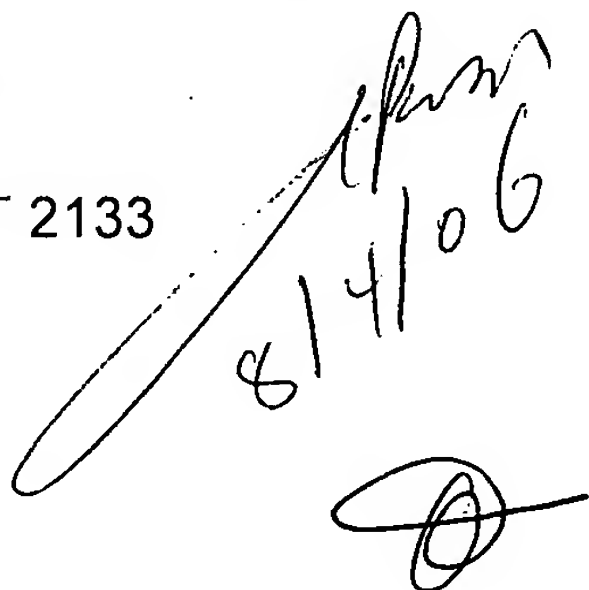
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronics Business Center (EBC) at 866-217-9197 (toll-free)

Sam Rizk, MSEE, ABD

Examiner

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A handwritten signature, possibly "S. Rizk", is written over the date "8/4/06". Below the date is a circular stamp or mark.

**GUY LAMARRE  
PRIMARY EXAMINER**